



**Note:**

1. Simulated concentrations from fate and transport groundwater model compared to measured concentrations obtained in 2005/2006.
2. Basemap from: "Remedial Investigation/ Feasibility Study Report Saugat Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
3. The residual value plotted is the difference between simulated and measured values. Positive residuals indicate model overestimation while negative residuals indicate model underestimation.

**LEGEND**

Well ID  
Residual in mg/L

- | Model Under Predicts by |                | Model Over Predicts by |                |
|-------------------------|----------------|------------------------|----------------|
| ■                       | > 2 mg/L       | ■                      | > 2 mg/L       |
| ●                       | 1.5 - 2 mg/L   | ●                      | 1.5 - 2 mg/L   |
| ◆                       | 1.0 - 1.5 mg/L | ◆                      | 1 - 1.5 mg/L   |
| ▲                       | 0.5 - 1.0 mg/L | ▲                      | 0.5 - 1 mg/L   |
| +                       | up to 0.5 mg/L | +                      | up to 0.5 mg/L |



GSI Job No.	G-2935	Drawn By:	SKF/CDM
Issued:	22-Feb-08	Reviewed By:	CJN
Revised:	--	Approved By:	CJN
Scale:	As Shown		<b>FIGURE 81</b>

**Spatial Correlation Between Simulated and Measured Concentrations**  
**Trichloroethene: Deep Hydrogeologic Unit (Layer 3 in Model)**

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL  
American Bottoms Aquifer